



COURSE OUTLINE

Course Name: NetScaler ADC 14.x Administration

DURATION	SKILLS LEVEL	DILIVERY METHOD	TRAINING CREDITS	TECHNOLOGY
5 Days	Intermediate	In Class/VILT	N/A	IT Server

Course Description:

This 5-day course is designed for IT Professionals working with NetScaler ADC, with little to no previous NetScaler experience. Potential students include administrators, engineers, and architects interested in identifying, implementing and managing a NetScaler ADC using leading practices as well as implementing advanced policies to control traffic flow through the NetScaler ADC.

Product Versions Covered: NetScaler VPX v14.1 and NetScaler Console v14.1

Prerequisites:

This course requires little to no previous experience with NetScaler ADC; however, Citrix recommends a basic understanding of TCP/IP, HTTP, and of the OSI model, network devices, and networking protocols.

Learning Objectives:

On completion of the course, delegates will be able to:

- Understand the functionalities and capabilities of NetScaler ADC
- How to obtain, install, and manage NetScaler ADC licenses
- Comprehend basic NetScaler network architecture
- Understand how SSL is used to secure NetScaler ADC
- Optimize the NetScaler system for traffic handling and management
- Understand the basic elements of the AppExpert Policy Engine and identify its use cases.
- Understand how to use the features of Rewrite and Responder on the NetScaler ADC.
- Understand the benefits of Content Switching and how to deploy the feature with load balancing.
- Explore various features of NetScaler to improve the client-server experience and responsiveness.
- Understand Global Server Load Balancing and how to use it for site-level redundancy.

Course Outline:

Module 1: Getting Started

- Introduction to Citrix ADC
- Feature and Platform Overview
- Deployment Options
- Architectural Overview
- Setup and Management

Module 2: Basic Networking

- Networking Topology
- Citrix ADC Components
- Routing
- Access Control Lists

Module 3: High Availability

- Citrix ADC High Availability
- High Availability Configuration
- Managing High Availability
- In Service Software Upgrade
- Troubleshooting High Availability

Module 4: Load Balancing

- Load Balancing Overview
- Load Balancing Methods and Monitors
- Load Balancing Traffic Types
- Load Balancing Protection
- Priority Load Balancing
- Load Balancing Troubleshooting

Module 5: SSL Offloading

- SSL Overview
 - SSL Configuration
 - SSL Offload
 - Troubleshooting SSL Offload
 - SSL Vulnerabilities and Protections
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Module 6: Securing System Traffic

- Authentication, Authorization, and Auditing
- Configuring External Authentication
- Admin Partitions

Module 7: Monitoring & Troubleshooting

- Citrix ADC Logging
- Monitoring with SNMP
- Reporting and Diagnostics
- AppFlow Functions
- Citrix Application Delivery Management
- Troubleshooting

Module 8: Intro to Policies and Responder Policies

- Default Policy Overview
- Default Expression Syntax
- Policy Bindings
- AppExpert Additional Features
- Responder Policies

Module 9: Rewrite & URL Transform

- Rewrite Policies
- DNS Rewrite
- URL Transformation

Module 10: Advanced Policy Expressions

- Advanced/Default Policy Engine.
- Intro to Content Switching.
- Content Switching Policies
- Content Switching protection features

Module 11: Optimization

- Citrix ADC Optimization Overview
- HTTP Compression
- Integrated Caching
- Front-End Optimization

Module 12: Global Server Load Balancing

- GSLB Overview
- GSLB Architecture
- Content-Switching GSLB
- GSLB MEP and Monitoring
- Customizing GSLB

Exams and Certifications

Notes and Annotations

What is Next

NSGW-253: NetScaler Gateway

14.x Deployment for Citrix

Environments

NS-301 NetScaler ADC 14.x

Advanced Features
